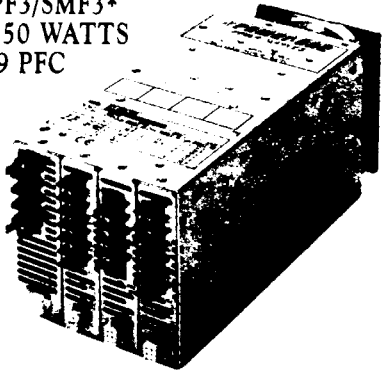
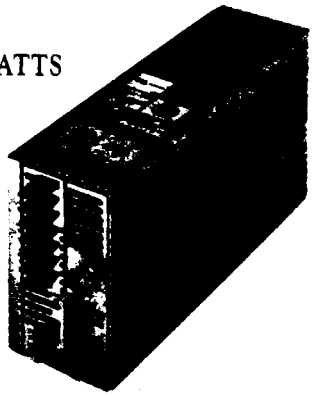
SPF3/SMF3*
1350 WATTS
.99 PFC

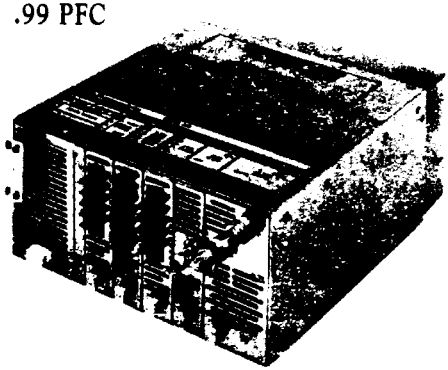


SPM2
500 WATTS

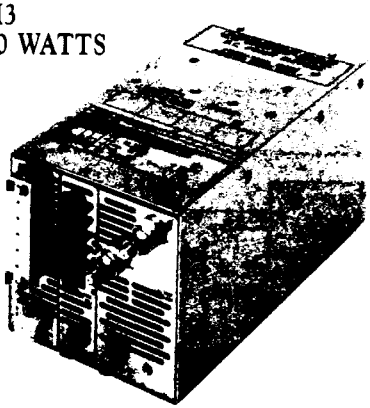


HPM5
2000 WAT

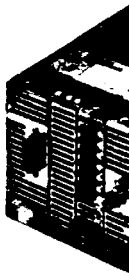
SPF6
1500 WATTS
.99 PFC



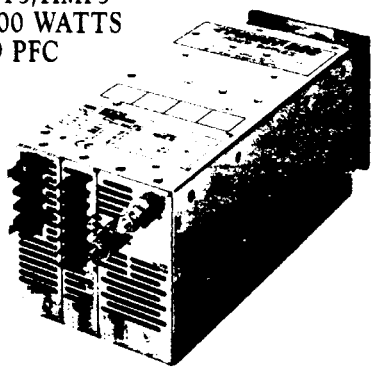
SPM3
1000 WATTS



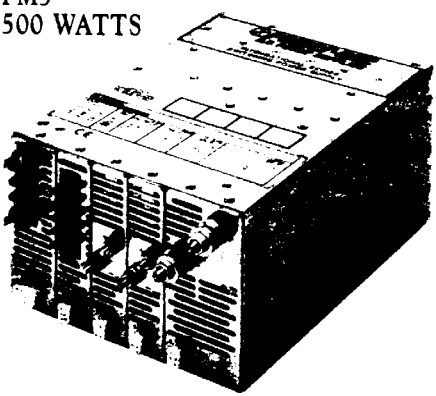
HPM7
2500 WATTS



HPF3/HMF3*
2000 WATTS
.99 PFC

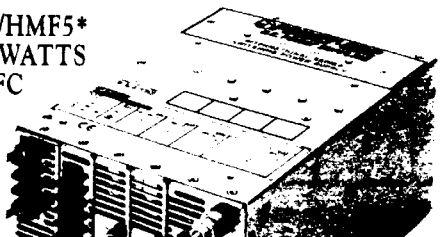


SPM5
1500 WATTS



RPM5
4000 WAT
3 PHASE
INPUT

HPF5/HMF5*
2000 WATTS
.99 PFC



IABILITY

emonstrated DC output module MTBF greater than 5 million hours.

uggedized AC input sections incorporate tensive transient protection.

ibration tested at 6 GRMS, 3 axis, Hz to 2000Hz.

wo year warranty.

FLEXIBILITY

- Modular construction; over 10 million configurations available.
- Up to 21 outputs per power supply from 1.0 to 48VDC.
- Parallelable outputs with current sharing.
- System inhibit and individual module output inhibit capability.
- Metric mounting available on selected models.

PERFORMANCE

- Single outputs fully regulate
- PFC models meet EN61000 EN60555-2.
- EN60950/UL1950 approve to the Low Voltage Directi
- No minimum loads require outputs.

RNATIONAL SERIES HIGH POWER PRODUCT OVERVIEW

SSIS METRIC MOUNTING	SMF3		HMF3	HMF5					
STANDARD	SPF3	SPF6	HPF3	HPF5	SPM2	SPM3	SPM5	HPM5	HPM7
PUT POWER AND POWER FACTOR									
PFC to meet EN60555	YES	YES	YES	YES	N/A	N/A	N/A	N/A	N/A
output wattage at high range line input	1350	1500	2000	2000	500	1000	1500	2000	2500
output wattage at low range line input*	1000	1300	1500	1500	500	1000	1500	N/A	N/A
T VOLTAGE SPECIFICATIONS**									
range VAC input	160-264	160-264	160-264	160-264	175-264	175-264	175-264	180-264	180-264
range VAC input	85-159	85-159	85-159	85-159	90-132	90-132	90-132	N/A	N/A
input selection	Autorange	Autorange	Autorange	Autorange	Manual	Manual	Manual	N/A	N/A
input phases	single	single	single	single	single	single	single	single	single
PUT MODULE SPECIFICATIONS									
# of outputs	9	18	9	15	6	9	15	15	21
module slots	3	6	3	5	2	3	5	5	7
HANICAL SPECIFICATIONS									
sis size H x W x L, inches	5 x 5.5 x 12.5	5 x 11 x 11	5 x 5.5 x12.5	5 x 8 x 11	5 x 3 x 11	5 x 5.5 x 11	5 x 8 x 11	5 x 8 x 11	5 x 11 x 13
sis size H x W	127 x 140	127 x 280	127 x 140	127 x 203	127 x 76	127 x 140	127 x 203	127 x 203	127 x 280
x L, millimeters	x 318	x 280	x 318	x 280	x 280	x 280	x 280	x 280	x 330
T TRANSIENT PROTECTION SPECIFICATIONS									
Immunity 1000-4-2,	Level 4 15kV/8kV	Level 4 15kV/8kV	Level 4 15kV/8kV	Level 4 15kV/8kV	Consult Factory	Level 4 15kV/8kV	Level 4 15kV/8kV	Level 4 15kV/8kV	Level 4 15kV/8kV
usceptibility 1000-4-3	Level 3 10V/m	Level 3 10V/m	Level 3 10V/m	Level 3 10V/m	Consult Factory	Level 3 10V/m	Level 3 10V/m	Level 3 10V/m	Level 3 10V/m
Transient/Burst 1000-4-4	Level 3 ±2kV	Level 3 ±2kV	Level 3 ±2kV	Level 3 ±2kV	Consult Factory	Level 3 ±2kV	Level 3 ±2kV	Level 3 ±2kV	Level 3 ±2kV
e Immunity 1000-4-5 (Line-Line)	Class 4 2kV	Class 4 2kV	Class 4 2kV	Class 4 2kV	Consult Factory	Class 4 2kV	Class 4 2kV	Class 4 2kV	Class 4 2kV
e Immunity 1000-4-5 (line-Gnd)	Class 4 4kV	Level 3 2kV	Class 4 4kV	Class 4 4kV	Consult Factory	Class 4 4kV	Class 4 4kV	Class 4 4kV	Class 4 4kV

ximum wattage above 100VAC input for SPF/HPF. **Autorange input denotes continuous operation from 85 to 264 VAC

BLOCK DIAGRAM

ational Series High Power products are modular
ms using separate switch-mode DC Output Modules
the voltage and current ratings required by each
plication.

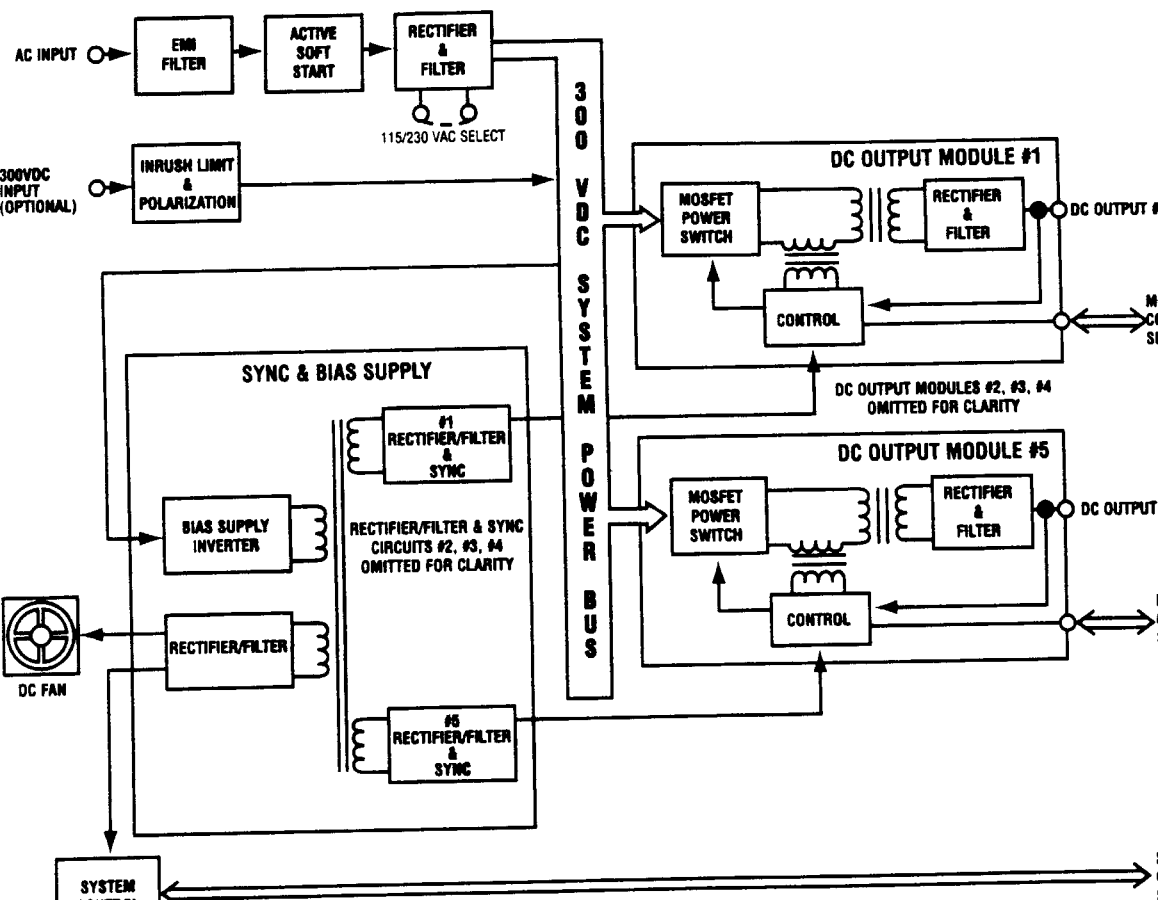
is based on a 300 VDC System Power Bus derived
the AC utility line, or a user supplied 300 VDC
is 300 VDC bus provides the bulk DC required by
t module for conversion to its specified output
d current ratings.

in the block diagram, this independent modular
provides complete isolation between the outputs, as
other system elements. Also, the switching circuitry
tput module is clocked and synchronized by the
as Supply section to reduce electrical interference
ne outputs.

SELECTION AND CONFIGURATION

The modularity of the International Series High Powe
products allows the user to specify a power system cor
from a wide selection of standard off-the-shelf plug in
modules. The power system is delivered completely as
burned in, and tested. A part number comprised of a
designation, module listing, and options can be confi
follows:

1. Choose a chassis based on required wattage, numb
outputs, and power factor.
2. Select modules following the guidelines in the
configuration section.
3. Decide on the options. Standard options are listed
configuration section. Please call the factory for s
requirements, such as logic option cards.



FIGURATION NOTES

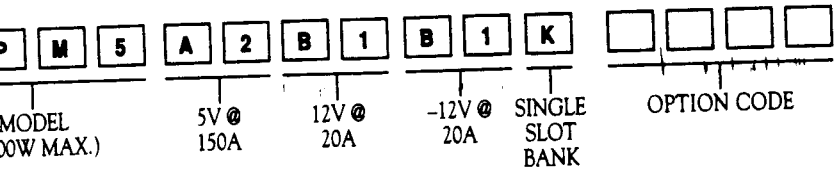
dules are designated in left to right in the part number are installed right to left in the chassis.

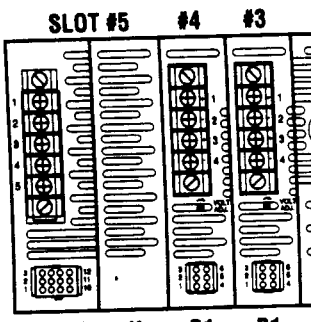
gle and double wide modules occupy one and two assis slots respectively. Confirm that the total number of ts required does not exceed the chassis slot capacity.

- Not all modules can be used in all slots. Refe compatibility table below.
- Fill blank slots with K or L option.

XAMPLE: OUTPUTS SELECTED

5V @ 150A
12V @ 20A
-12V @ 20A





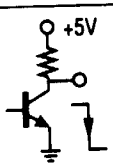
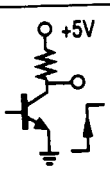
All chassis slots are nu
in right to left sequenc

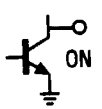
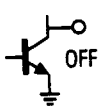
OARD OPTIONS

SYSTEM INHIBIT (OPT A, B & C)

POWER OUTPUT	
INHIBIT	**ENABLE**
Logic Low	Open Ckt. or Logic High
Logic High	Open Ckt. or Logic Low
Open Ckt. or Logic High	Logic Low
Open Ckt. or Logic Low	Logic High

INPUT POWER FAIL WARNING (OPT M, N & P)

OPTION	SIGNAL OUTPUT	
Std		Hi To Lo Transition
M		Lo To Hi Transition

OPTION	SIGNAL OUTPUT	
N		Open Collector Conducts To Give Signal
P		Open Collector Opens To Give Signal

OTHER OPT

DESCRIPT
K – Single Width Slot B
L – Double Width Slot
H – Parallels Dual Widt Modules To Double Output Rating

ULE AND CHASSIS COMPATIBILITY

m that the number listed in the compatibility column of odule selector guide is equal to or less than the lowest r specified for the module slots pictured below. Example: PF3 can only use modules with a slot compatibility of 1 in the slot closest to the input section but can use any a compatibility number of four or less in the two ou lines designate adjoining slots that can be used for modules.

SPF3/SMF3/HPF3/HMF3

INPUT	1	≤4	≤4

HPF5/HMF5

INPUT	1	≤4	≤3	≤4	≤4

SPF6

INPUT	≤4	≤3	≤4	≤4	≤2	≤2

INPUT	≤5	≤5

SPM2

SPM3

SPM5/HPM5

HPM7

Interface Signal Applicat
included in the Technical Refe

LE AND DUAL OUTPUT MODULES

TER	CONDITIONS/DESCRIPTION	MIN	NOM
Voltage Adjustment Range		-10	
Current	At 0°C to 50°C ambient.		See Module Selector
nt Temperature Range	100% rated load.	0	
	Derated linearly to 50% load.	0	
Voltage Setting	Factory set.	-1	
t Voltage Adjustment		-10	
ning/Remote	Range.	-10	
e Adjustment	Programming sensitivity from 2.0V.	-4	-5
te Voltage Sense	Total cable drop.		
erature Coefficient	0 to 50 °C after initial 1 hour warmup.		0.01
Term Voltage Drift	1000 hours.		
Regulation	Over input operating range.		0.05
Regulation	≤ 5 Volt Modules		
le Output Modules	0% to 100% load with remote sense.		< 10
uit Factory For	0% to 100% load without remote sense.		< 60
cific Ratings	> 5 Volt Modules		
	0% to 100% load with remote sense.		< 30
	0% to 100% load without remote sense.		< 75
s Regulation Between Single	0% to 100% load change.		
ut Modules in One Chassis			
Regulation, Dual Output Modules	Positive Output		
	0% to 100% load with remote sense.		< 30
	0% to 100% load without remote sense.		< 75
Regulation, Dual Output Modules	Negative Output		
	0% to 100% load.		
s Regulation, Dual Output Modules	Positive Output		
	0% to 100% load change.		
s Regulation, Dual Output Modules	Negative Output		
	10% to 100% load change.		
mum Load Current	Dual output modules only. See factory data sheets.	1	
ent Limit	Factory set. As a % of full rated Io. Dual output modules use primary power limiting. See module ratings.	110%	115%
rt Circuit Current	As a % of full rated Io.		100%
rent Sharing	Current sharing accuracy as a % of full rated Io.		
rvoltage Protection	Trip point as a % of Vo ≥ 5V. Resettable by recycling input.	115%	120%
erse Polarity Protection	Reverse current as a % of full rated Io. Reverse voltage externally applied.		
bit	Logic LO = off		
	Sink current.	2	
	Logic HI = on		
	Source current.		
tput Good Signal	Logic LO (when Vo deviates from adjusted set point).		
	Sink current.		1.5
	Logic HI (with internal pull-up to 5V).		
ise and Ripple	20MHz bandwith.		See module rat
nsient Response	75% to 100% load step.		
	50% to 100% load step.		
	Recovering to 1% within 400 µSec, Slew rate = 1A/µSec.		
rn-On Delay	After input applied.		
	After input released.		
	5% to 95% of Vo		

Interface Signa
included in the Tech

TRIPLE OUTPUT MODULES

PARAMETER	CONDITIONS/DESCRIPTION	OUTPUT #1			OUTPUT #2		
		MIN.	NOM.	MAX	MIN.	NOM.	MAX
Output Current	At 0°C to 50°C ambient.				See module ratings.		
Ambient Temperature Range	100% rated load. Derated linearly to 50% load.	0		50 70	0		50 70
Initial Voltage Setting	Initial voltage set point as a % of Vo.	-1%		+1%	-1%		+1%
Output Voltage Adjustment Range		-10%		+10%	-10%		+10%
Margining/Remote Voltage Adjustment	Range. Programming sensitivity, from 2.5V.	-10% -4	-5	+10% -6			
Remote Voltage Sense	Total cable drop.			0.5			
Temperature Coefficient	0 to 50 °C after initial 1 hour warmup.		0.01	0.02		0.01	0.02
Long Term Voltage Drift	1000 hours.			0.1%			0.1%
Line Regulation	Over input operating range.		0.05	0.1		0.05	0.1
Load Regulation	0% to 100% load w/remote sense		0.1	0.2			
	0% to 100% load w/o remote sense (Note 1)		1	5		1	5
Cross Regulation	0% to 100% load change.			0			0
Minimum Load Current				0			0
Current Limit	Factory set. As a % of full rated Io.	110%		120%	110%		120%
Short Circuit Current	As a % of full rated Io.			100%			100%
Current Sharing (Note 2)	Current sharing accuracy as a % of full rated Io. Factory calibrated at 100% load.			5			5
Reverse Voltage Protection	Reverse current as a % of full rated Io. Reverse voltage externally applied.			100%			100%
Inhibit	Logic LO = off Sink current.			0.4 0.4			
	Logic HI = on Source current.	2.5		 20			
Output Fault Signal	Logic low upon current limit detection, OVP, or shut down.						
	Logic LO (with 3 mA sink).			0.7			0.7
	Logic HI (with internal pull-up to 5V)		5.1			5.1	
Turn-On Delay	After input applied. After input released.			1 50			1 50
Rise Time	5% to 95% of Vo.			50			50
Overshoot	Overshoot as a % of Vo.			3%			3%
Turn-Off Delay	After inhibit or OVP trip.			500			500

Overvoltage Protection	Provided on output #1 only. Trip point as a % of Vo.	5V Output: 130%, ±5% of V 12V Output: 120%, ±5% of V 24V Output: 115%, ±5% of V	
Resettable by recycling input.			
Noise and Ripple	20 MHz bandwidth.	Output Voltage Vo	5V
		NOM.	65
		MAX.	100
	200 MHz bandwidth.	NOM.	20
		MAX.	30
Transient Response		Output Voltage Vo	5V
	75% to 100% load change @ 0.4A/µS.		150
	50% to 100% load change @ 0.4A/µS. Recovery to 1% within 400 µS		300

NOTES: 1) 20 mV max below 5% load.

UT

RAMETER	CONDITIONS	MIN.	NOM.	MAX.
ut Voltage	AC Input	85		264
ut Current	η=70% 115 VAC; 1000W 115 VAC; 1300W 115 VAC; 1500W 230 VAC; 1350W 230 VAC; 1500W 230 VAC; 2000W			 12.8 16.2 19.2 8.6 9.6 12.8
wer Factor	85 - 264 VAC; >500W (SPF3, HPF3, HPF5) 85 - 264 VAC; >1300W (HPF3, HPF5) 115 VAC; 1300W (SPF6) 220 VAC; 1500W (SPF6) 264 VAC; 1500W (SPF6)	0.98 0.98 0.98 0.98 0.70		
rush Surge Current	Vin = 132VAC (one cycle) Vin = 264VAC (one cycle)			20 40
put Frequency	AC Input	47		63
art Up Time	From time AC is applied to Vout is in regulation			1.5
old-up Time	85- 264VAC at rated maximum power	23		
put Power Fail Warning	Logic signal time before regulation dropout due to loss of input power	5		
vertemperature Warning	Advance warning before shutdown	10		

ETY AND EMI

gency Approvals	UL1950 CSA 22.2 No. 950 EN60950 (TÜV)			
ne Harmonic Disturbance	EN60555-2 EN61000-3-2			
electric Withstand Voltage	Input to Output ("Y" capacitors disconnected) Input to Chassis Output to Chassis	4300 2300 500		
akage Current SPF3, HPF3, HPF5	Per UL1950 and CSA 22.2 No. 950 Per EN60950			1.5 2.5
akage Current SPF6	Per UL1950 and CSA 22.2 No. 950 Per EN60950			4 4
ectromagnetic Interference	FCC CFR title 47 Part 15 EN55022 / CISPR 22, Conducted			Level A

NERAL

tput Power	SPF3 Full Load, 85-100 VAC input SPF3 Full Load, 101-159 VAC input SPF3 Full Load, 160-264 VAC input SPF6 Full Load, 85-100 VAC input SPF6 Full Load, 101-159 VAC input SPF6 Full Load, 160-264 VAC input HPF3/HPF5 Full Load, 85-100 VAC input HPF3/HPF5 Full Load, 101-159 VAC input HPF3/HPF5 Full Load, 160-264 VAC input			875 1000 1350 1200 1300 1500 1300 1500 2000
ficiency	Full Load, Nominal Line Input		75	
bration	Random Vibration, 10Hz to 2Khz, 3 axis			6
nock	Operating, peak acceleration			20
perating Temperature	At 100% load Derate linearly above 50°C to 50%	0		50 70
orage Temperature		-40		85
titude	Operating Non-Operating			10,000 50,000

INPUT

PARAMETER	CONDITIONS	MIN.	NOM.
Input Voltage	AC Input Low range High range	90 175	115 230
	DC Input	250	300
Input Current	SPM2 500Watt Load Vin = 90 VAC Vin = 175 VAC Vin = 250 VDC		
	SPM3 1000Watt Load Vin = 90 VAC Vin = 175 VAC Vin = 250 VDC		
Inrush Surge Current	SPM2 Vin = 132 VAC Vin = 264 VAC		
	SPM3 Vin = 132 VAC Vin = 264 VAC		
Input Frequency	With AC Input	47	
Hold-up Time	After last AC line peak with 115/230 VAC Input	23	
Input Power Fail Warning	Logic signal before regulation dropout due to loss of input power	5	
Overtemperature Shutdown	System shutdown due to excessive internal temperature	75	
Thermal Warning	Advanced warning before overtemperature shutdown	10	

SAFETY AND EMI

Agency Approvals	UL1950 CSA22.2 #950 EN60950 (TÜV)		
Dielectric Withstand Voltage	Input to Output Input to Chassis Output to Chassis	4300 2300 500	
Insulation Resistance	Input to Output Input to Chassis Output to Chassis	10 10 2	
Leakage Current	SPM2/SPM3		
Safety Spacing	Primary to Secondary Primary to Chassis	8 4	
Electromagnetic Interference	FCC CFR title 47 Part 15 EN55022 / CISPR 22, Conducted		

GENERAL

Output Power (Max)	SPM2 SPM3		
Efficiency	Full load, typical modules.	75	
Power Factor	115/230 VAC input		0.7
Vibration	Random vibration from 10Hz to 2 KHz, (3 axis)		
Shock	Operating: peak acceleration		
Operating Temp.	At 100% Load Derate to 50% at 70°C	0	
Storage Temp.		–40	
Altitude	Operating (Consult factory for operation above 10,000 feet)		
	Non-operating		
Relative Humidity	Non-condensing		
Acoustical Noise	"A" weighted, anechoic at 1 meter		

UT

RAMETER	CONDITIONS	MIN.	NOM.	MAX.	
ut Voltage M5/HPM7 Operate Only High Range	AC Input Low range-SPM5 only High range	90 175	115 230	132 264	
	DC Input DC Input Range	250	300	350	
ut Current	Vin = 90 VAC Vin = 175 VAC Vin = 250 VDC			2 1 0.53	AR AR AD
ush Surge Current	Vin = 132 VAC Vin = 264 VAC			19 38	
ut Frequency	With AC Input	47		440	
ld-up Time	After last AC line peak with 115/230 VAC Input	30			
ut Power Fail Warning	Logic signal before regulation dropout due to loss of input power	3			
ermal Warning	Warning before overtemperature shutdown	10			

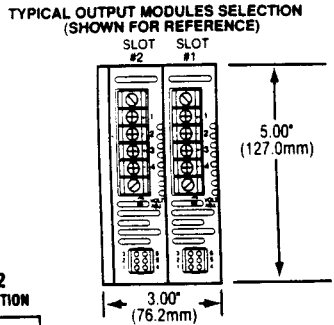
ETY AND EMI

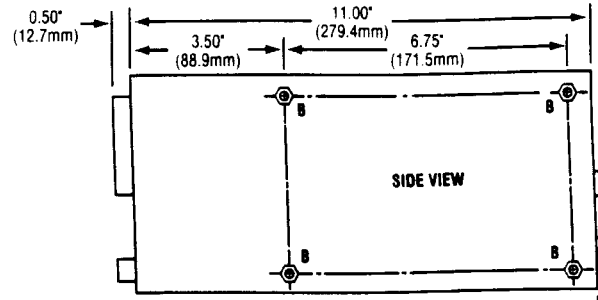
ency Approvals	UL1950 CSA22.2 #950 EN60950 (TÜV)				
electric Withstand ltage	Input to Output Input to Chassis Output to Chassis	4300 2300 500			
sulation Resistance	Input to Output Input to Chassis Output to Chassis	10 10 10			
akage Current	Per UL1950 and CSA 22.2 No. 950 Per EN60950			1.5 2.5	
fety Spacing	Primary to Secondary Primary to Chassis	8 4			
ctromagnetic erference	FCC CFR Title 47 Part 15 EN55022 / CISPR 22, Conducted			Level A	

ERAL

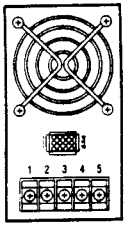
tput Power (Max) - SPM5/HPM5/HPM7				1500/2000/2500	
iciency	Full Load		75		
wer Factor	115/230 VAC input, typical modules.		0.7		
ration	MIL-STD-810D, Method 514.3, Category I, Proc I			6	
ock	MIL-STD-810D, Method 516.3, Proc II, IV, VI			20	
erating Temp.	At 100% Load Derate to 50% at 70°C	0		50 70	
rage Temp.		-40		85	
itude	Operating (Consult factory for operation above 10,000 feet)			10,000	
	Non-operating			50,000	
lative Humidity	Non-condensing			95	
oustical Noise	"A" weighted, anechoic at 1 meter			50	
oling	Internal Fan	80			

MODEL SPM2 OVERALL SIZE: 5.00" x 3.00" x 11.00" (127.0mm x 76.2mm x 279.4mm) WEIGHT: 8





SPM2
INPUT SECTION



INPUT TERMINAL BLOCK
6-32 CAPTIVE SCREWS

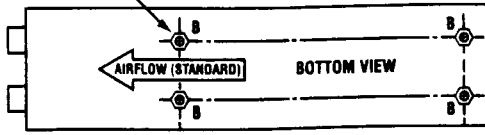
ON 0.375" (9.53mm) SPACINGS
1 — AC LINE
2 — AC NEUTRAL
3 — CHASSIS GROUND
4 } STRAP FOR
5 } 115VAC (~) OPERATION

CONTROL CONNECTOR

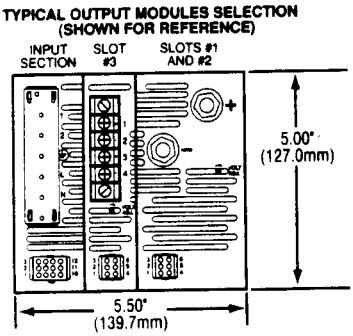
CONTROL FUNCTIONS	
PIN	FUNCTION
5	POWER FAIL WARNING
6	OVER TEMP WARNING
10	SIGNAL GROUND
11	INHIBIT

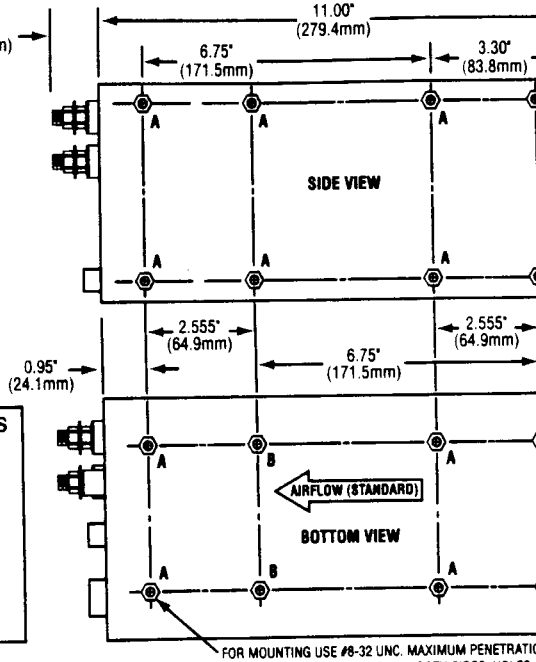
MOLEX SERIES 1625-12 #03-06-1121
MATING: 1625-12 #03-06-2122
CONSULT FACTORY FOR OTHER AVAILABLE CONTROL FUNCTIONS

FOR MOUNTING USE 8-32 UNC, MAX PENETRATION .150" (3.8mm)

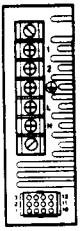


MODEL SPM3 OVERALL SIZE: 5.00" x 5.50" x 11.00" (127.0mm x 139.7mm x 279.4mm) WEIGHT:





SPM3
INPUT SECTION



1 } STRAP FOR
2 } 115VAC (~) OPERATION
⏚ - CHASSIS GROUND
L - AC LINE
N - AC NEUTRAL

INPUT TERMINAL BLOCK
6-32 CAPTIVE SCREWS
ON 0.438" (11.13mm) CENTERS
RECOMMENDED TORQUE
6 - 8 INCH LBS.

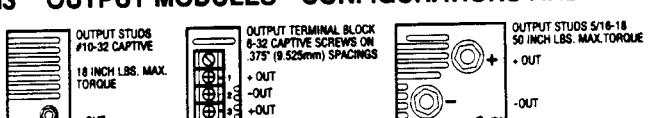
CONTROL CONNECTOR

CONTROL FUNCTIONS	
PIN	FUNCTION
5	POWER FAIL WARNING
6	OVER TEMP WARNING
7	5V @ 100mA*
10	SIGNAL GROUND
11	INHIBIT

MOLEX SERIES 1625-12 #03-06-1121
MATING: 1625-12 #03-06-2122
CONSULT FACTORY FOR OTHER AVAILABLE CONTROL FUNCTIONS
* A lesser current is available if a logic option board is used. Consult factory.

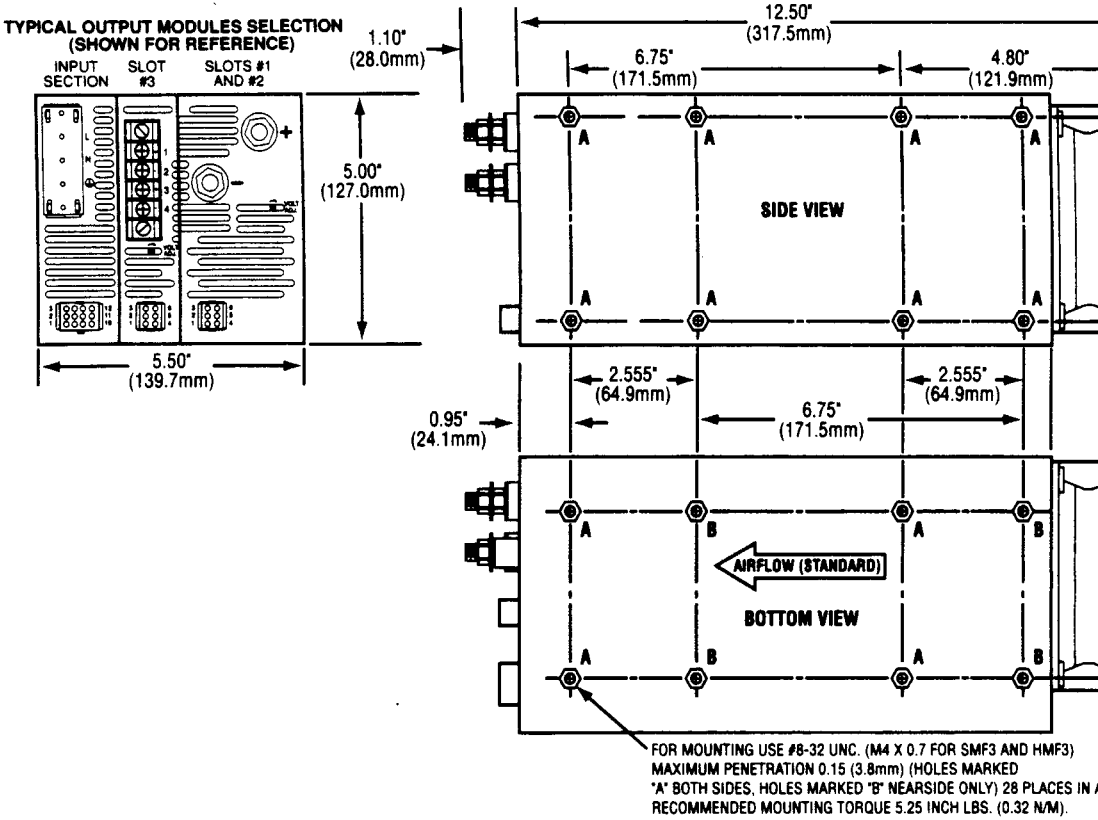
FOR MOUNTING USE #8-32 UNC. MAXIMUM PENETRATI
0.15 (3.8mm) (HOLES MARKED "A" BOTH SIDES, HOLES
MARKED "B" NEARSIDE ONLY) 28 PLACES IN ALL.
RECOMMENDED MOUNTING TORQUE 5.25 INCH LBS.

MODEL SPM2 & SPM3 OUTPUT MODULES—CONFIGURATIONS AND INTERFACE SIGNALS



CONTROL FUNCTIONS	
PIN	FUNCTION
1	+SENSE
2	MARGIN/REMOTE VOLTAGE ADJU
3	OUTPUT GOOD SIGNAL

OVERALL SIZE: 12.50" x 5.50" x 5.00" (317.5mm x 139.7mm x 127.0
WEIGHT: 12.5 LBS (5.70 kg)



SPF3/SMF3
HPF3/HMF3
INPUT SECTION

L - AC LINE

N - AC NEUTRAL

⏚ - CHASSIS GROUND

INPUT TERMINAL BLOCK
6-32 CAPTIVE SCREWS
ON 0.438" (11.13mm) CENTERS
RECOMMENDED TORQUE
6 - 8 INCH LBS.

CONTROL CONNECTOR

CONTROL FUNCTIONS

PIN	FUNCTION
5	POWER FAIL WARNING
6	OVER TEMP WARNING
7	5V @ 100mA*
10	SIGNAL GROUND
11	INHIBIT

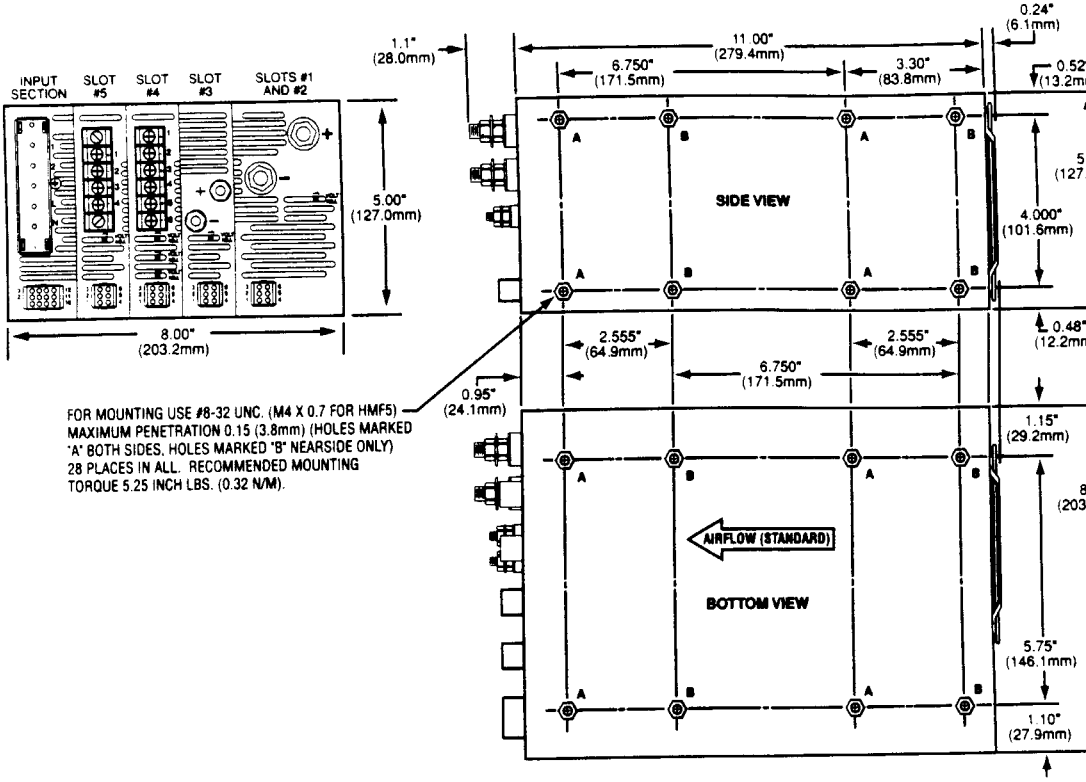
MOLEX SERIES 1625-12 #03-06-1121
MATING: 1625-12 #03-06-2122
CONSULT FACTORY FOR OTHER
AVAILABLE CONTROL FUNCTIONS
* A lesser current is available if a logic option board is used. Consult factory.

OUTPUT MODULES—CONFIGURATIONS AND INTERFACE SIGNALS

CONTROL FUNCTIONS

PIN	FUNCTION
1	+SENSE
2	MARGIN/REMOTE VOLTAGE ADJUST
3	OUTPUT GOOD SIGNAL
4	-SENSE & LOGIC GROUND
5	CURRENT SHARE CONTROL
6	INHIBIT

OVERALL SIZE: 11.00" x 8.00" x 5.00" (279.4mm x 203.2mm x 127.0mm)
WEIGHT: 15.0 LBS (6.75 kg)



SPM5/HPM5
INPUT SECTION

1] STRAP FOR
2] 115VAC (~) OPERATION

⏚ - CHASSIS GROUND

L - AC LINE

N - AC NEUTRAL

INPUT TERMINAL BLOCK
6-32 CAPTIVE SCREWS
ON 0.438" (11.13mm) CENTERS
RECOMMENDED TORQUE
6 - 8 INCH LBS.

CONTROL CONNECTOR

HPF5/HMF5
INPUT SECTION

L - AC LINE

N - AC NEUTRAL

⏚ - CHASSIS GROUND

INPUT TERMINAL BLOCK
6-32 CAPTIVE SCREWS
ON 0.438" (11.13mm) CENTERS
RECOMMENDED TORQUE
6 - 8 INCH LBS.

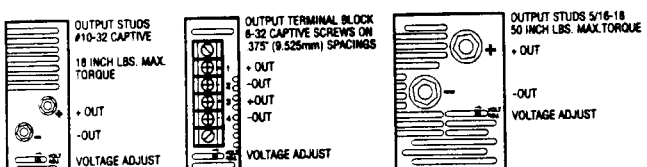
CONTROL CONNECTOR

CONTROL FUNCTIONS

PIN	FUNCTION
5	POWER FAIL WARNING
6	OVER TEMP WARNING
7	5V @ 100mA*
10	SIGNAL GROUND
11	INHIBIT

MOLEX SERIES 1625-12 #03-06-1121
MATING: 1625-12 #03-06-2122
CONSULT FACTORY FOR OTHER AVAILABLE CONTROL FUNCTIONS
* A lesser current is available if a logic option board is used. Consult factory.

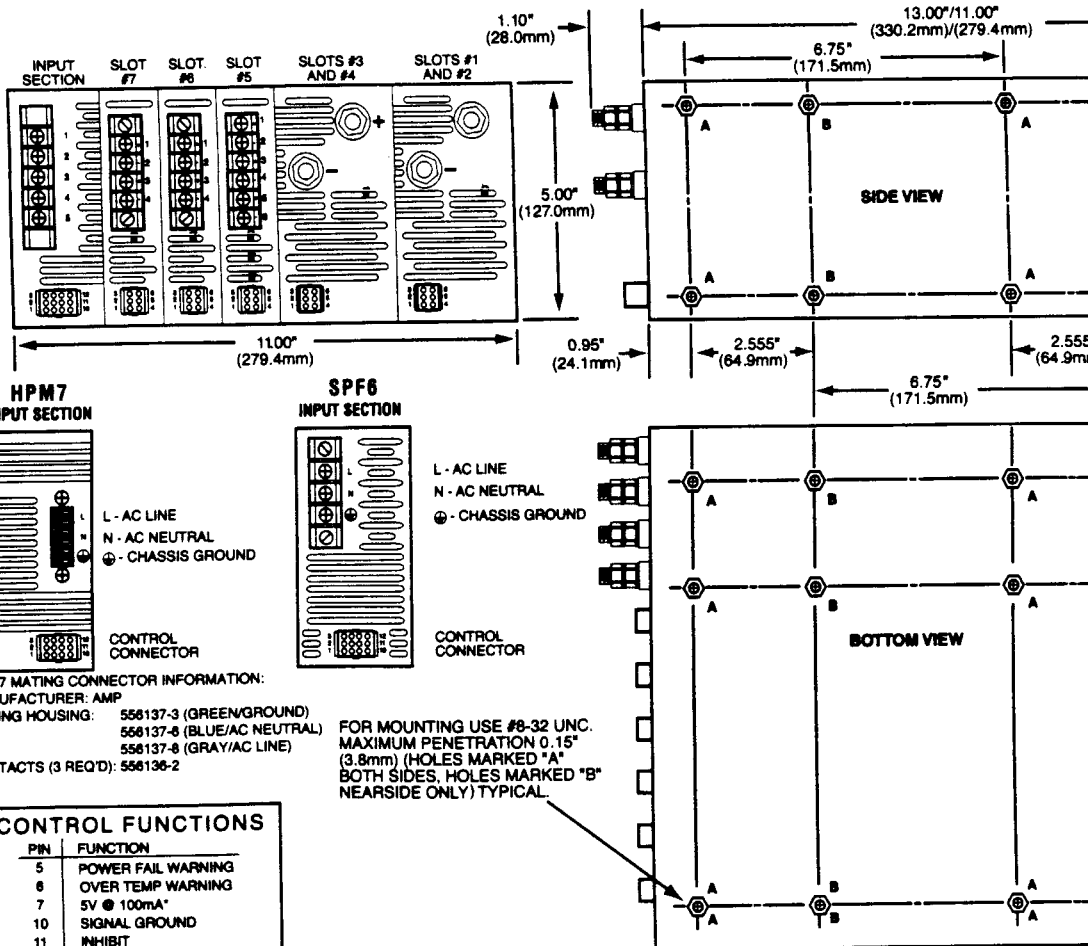
OUTPUT MODULES—CONFIGURATIONS AND INTERFACE SIGNALS



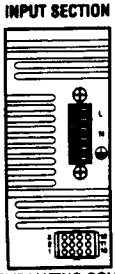
CONTROL FUNCTIONS

PIN	FUNCTION
1	+SENSE
2	MARGIN/REMOTE VOLTAGE ADJUST
3	OUTPUT GOOD SIGNAL
4	-SENSE & LOGIC GROUND
5	CURRENT SHARE CONTROL
6	INHIBIT

SPF6 OVERALL SIZE: 11.00" x 11.00" x 5.00" (279.4mm x 279.4mm x 127
HPM7 OVERALL SIZE: 13.00" x 11.00" x 5.00" (330.2mm x 279.4mm x 127
WEIGHT: 21.0 LBS (9.60 kg)



HPM7
INPUT SECTION



SPF6
INPUT SECTION

HPM7 MATING CONNECTOR INFORMATION:
MANUFACTURER: AMP
MATING HOUSING: 556137-3 (GREEN/GROUND)
556137-6 (BLUE/AC NEUTRAL)
556137-8 (GRAY/AC LINE)
CONTACTS (3 REQ'D): 556136-2

FOR MOUNTING USE #8-32 UNC. MAXIMUM PENETRATION 0.15" (3.8mm) (HOLES MARKED "A" BOTH SIDES, HOLES MARKED "B" NEARSIDE ONLY) TYPICAL.

CONTROL FUNCTIONS

PIN	FUNCTION
5	POWER FAIL WARNING
6	OVER TEMP WARNING
7	5V @ 100mA*
10	SIGNAL GROUND
11	INHIBIT

MOLEX SERIES 1625-12 #03-06-1121
MATING: 1625-12 #03-06-2122
CONSULT FACTORY FOR OTHER AVAILABLE CONTROL FUNCTIONS
* A lesser current is available if a logic option board is used. Consult factory.

OUTPUT MODULES—CONFIGURATIONS AND INTERFACE SIGNALS

SINGLE WIDTH
TYPE I
#10-32 STUDS

SINGLE WIDTH
TYPE II
BARRIER BLOCK

DOUBLE WIDTH
TYPE III
5/16-18 STUDS

CONTROL FUNCTION

PIN	FUNCTION
1	+SENSE
2	MARGIN/REMOTE VOLTAGE AD
3	OUTPUT GOOD SIGNAL
4	-SENSE & LOGIC GROUND
5	CURRENT SHARE CONTROL
6	INHIBIT

MOLEX SERIES 1625-6 #03-06-106
MATING: 1625-6 #03-06-2061
CONSULT FACTORY FOR OTHER AVAILABLE CONTROL FUNCTIONS